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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Group Art Unit:

3763

Shuichi Takayama et al.

Examiner:

Unknown

Serial No.:

10/559,742

Filed:

May 24, 2006

For:

INTEGRATED MICROFLUIDIC SPERM ISOLATION

AND INSEMINATION DEVICE

Attorney Docket No.: UOM 0300 PUSA

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Mail Stop Amendment Commissioner for Patents U.S. Patent & Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and §§ 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or SB08B are being submitted herewith for consideration by the Examiner. This statement is being filed in accordance with 37 C.F.R. § 1.97(b).

While this Statement is being filed in compliance with the duty of disclosure, citation of the listed references is not to be construed as an admission that any of the references are "material" as defined under 37 C.F.R. § 1.56(b).

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.M./

Receipt date: 12/14/2006 10559742 - GAU: 4118

S/N: 10/559,742

Atty Dkt No. UOM 0300 PUSA

No copies of the listed U.S. patent references or the listed U.S. patent application publication references have been included herewith pursuant to 37 C.F.R. § 1.98(a)(2). All other references have been provided as required. Consideration and entry into the record of the listed references is respectfully requested.

Respectfully submitted,

Shuichi Takayama et al.

William G. Conger Reg. No. 31,209

Attorney/Agent for Applicant

Date: Decembo 12,2000

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	Application Number	10/559,742 May 24, 2006		
	Filing Date			
	First Named Inventor	Shuichi Takayma et al.		
	Group Art Unit	3763		
	Examiner Name	Unknown		
	Attorney Docket Number	UOM 0300 PUSA		

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,296,375		Kricka et al.	03/22/1994	
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FOREIGN PATENT DOCUMENTS								
		Foreign Patent Document			,	Date of Publication	Pages, Columns, Lines, Where Relevant	
Examiner Initials	Cite No.1	Office ³	Number ⁴	Kind Code⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T⁵

Examiner Signature	/Sehar Mehmood/ (02/26/2009)	Date Considered	02/26/2009

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Record date: 12/14/2006

PTO/SB/08B (10-96) [reproduced]
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Complete if Known ute for Form 1449B/PTO 10/559,742 **Application Number** INFORMATION DISCLOSURE May 24, 2006 Filing Date STATEMENT BY APPLICANT First Named Inventor Shuichi Takayama et al. 3763 **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Unknown UOM 0300 PUSA Sheet Attorney Docket Number OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Examiner Τ² Initials Cite No.1 publisher, city and/or country where published. Schuster, et al., "Isolation of Motile Sperm From Semen Samples Using Microfluidics", REPROD. BIOMED. ONLINE 7, 75 - 81. D.C. Duffy et al., "Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane)," ANALYTICAL CHEMISTRY 70, 4974-4984 (1998). J.R. Anderson et al., ANALYTICAL CHEMISTRY 72, 3158-64 (2000); M.A. Unger et al., SCIENCE 288, 113-16 (2000); J.C. McDonald, et al, "Poly(dimethylsiloxane) as a material for fabricating microfluidic devices," ACCOUNTS OF CHEMICAL RESEARCH, 35, 491-99. L. Martynova, et al, "Fabrication of Plastic Microfluidic Channels by Imprinting Methods," Analytical Chemistry 69, 4783-4789. Beebe et al., "Microfluidic Technology for Assisted Reproduction," THERIOGENOLOGY, <u>57</u> 125-135 (2002). S. Nonaka et al., "Determination of Left-Right Patterning of the Mouse Embryo by Artificial Nodal Flow," NATURE, 418, pp. 96-99, July, 2002. Cho, Schuster, Zhu, Chang, Smith, Takayama: "Paaively driven integrated microfluidic system for separation of motile sperm" ANALYTICAL CHEMISTRY, Vol. 75, No. 7, 1 April 2003 (2003-04-01), pages 1671-1675, Ronald S. Suh, nandita Phadke, Dana A. Ohl, Shuichi Takayama, Gary Smith, "Rethinking gamete/embryo isolation and culture with microfluidics", HUMAN REPRODUCTION UPDATE, Vol. 9, No. 5, European Society of Human Reproduction and Embryology 2003; Sept. - October 2003, pps. 451-461

Examiner Signature	/Sehar Mehmood/ (02/26/2009)	Date Considered	02/26/2009

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